

Stated Meeting, October 19, 1883.

Present, 12 members.

President, Mr. FRALEY, in the Chair.

Letters of acknowledgment were received from the Fayenbaya Observatory (112), the Pennsylvania Historical Society (113), and the Franklin Institute (Cat.).

A letter of envoy was received from the United States Department of State for the Government of the Netherlands.

A letter from Edmund de Schweinitz, President of the Society for the Propagation of the Gospel among the Heathen, dated Bethlehem, Pa., October 9, 1883, requesting the return of the Zeisberger and Perlæus MSS. to their owners, was read and referred to the next Stated Meeting for consideration, the Curators being instructed to examine into the subject in the meantime and report. (See page 284.)

Donations for the Library were received from the Royal Academy of Science at Rome; Royal Venetian Institute; Société de Géographie and Revue Politique, at Paris; Société de Géographie Commerciale, Bordeaux; Observatory at San Fernando; London Nature; Boston Natural History Society; Rhode Island Historical Society; New York Academy of Sciences; Cornell University; Journal Medical Sciences; Chemical Journal; United States Naval Institute; United States National Museum; and Mr. H. T. Cresson, of Philadelphia.

An obituary notice of Dr. John Forsyth Miegs was read by Dr. William Pepper. (See page 266, above.)

Mr. T. U. Walter was excused from preparing an obituary notice of the late John Trautwine, as he had already read one before the Society in Washington, which would be published.

The death of Dr. J. Lawrence Smith, at Louisville, Ky., October 12, aged 64, was announced.

A memoir entitled "The history of the Mexicans, from their Paintings," was communicated by Mr. Henry Phillips, Jr., being an annotated translation of the Ramirez MS.

A memoir on the "Course and growth of the fibro-vascular bundles in Palms," by J. C. Branner, was read by the Secretary.

Dr. Frazer exhibited a map of Radnor township and the adjoining districts of Delaware and Chester counties, on which he had delineated the Sienite belt and the outcrops of Serpentine, the stratigraphical relationships of which he discussed, dissenting from Mr. Rand's theory of their echelon structure and exogenous origin.

A communication was read from Mr. Hillborn T. Cresson, of the Academy of Natural Sciences of Philadelphia, respecting the minutes of March 15, 1883, Proceedings of American Philosophical Society, pages 648, 649.

"The statement that the instruments in question were studied by Mr. Cox is a mistake. The gentleman above named (Mr. Cox) was employed by me as a professional musician to verify and illustrate, with the Boehm flute, the points of a lecture upon Aztec music, delivered by me, before the Academy of Natural Sciences of Philadelphia during their seance of April 17th, 1883, having previously furnished him with a score showing all the notes, fingering and stoppings necessary, and by reference to which he so manipulated the instrument in question that, upon the Mexican *flutes* or *flageolets* the entire *chromatic scale* was obtained; and upon those instruments denominated by me pitch-pipes or whistles (made of like material) an octave was obtained; also, a *ninth*, eleventh and twelfth, the tenth note being missing (or the instrument made to produce it lost, or otherwise destroyed, and it will rest with musical experts to determine whether this note really existed). It is due Mr. Cox to state, that I mentioned him in my pamphlet entitled 'Aztec Music,' on account of the valuable hints he gave me in regard to modern music, formation of orchestras, &c., as my musical knowledge is limited. It was simply my intention, as an archæologist, to call the attention of musical experts to facts first observed by me while arranging certain collections of antiquities in France and Italy, trusting that they might be of interest, and serve to aid investigations in this branch of ethnology, about which little is known at present. It is necessary to make a distinction between the two kinds of instruments borrowed by me from your Society, as they are entirely different in construction and character, viz.: four-holed flutes, made of baked clay or terra-cotta, and those instruments of like material, which I have denominated 'pitch-pipes,' both kinds of which instruments are of Mexican origin. I beg leave to ask that, at your next stated meeting,

you will kindly correct the mistake above shown and published in your Proceedings, and kindly insert the following, viz. :

“ ‘The Curators reported the safe return of the four-holed Mexican flutes or flageolets of terra-cotta, and the “pitch-pipes” or whistles of like material, which were borrowed and studied by Hillborn T. Cresson, who found that the first-mentioned four-holed clay flageolets could be made to produce the entire *chromatic* scale by proper manipulation and finger-stopping. The Mexican whistles or pitch pipes gave in regular succession, from tonic to octave, a full diatonic scale ; also, a ninth, eleventh and twelfth existed, “*the tenth being absent,*” giving in all an *octave* and a *quarter.*’

“I regret to say that this is somewhat long, yet the facts deduced by the investigation of these instruments, owned by your honorable Society, prompt me to ask you to record them, merely claiming that they are interesting facts, *and, if I am correct, first noticed by myself.* Please state to your Society that, for the past eight months, I have devoted my spare time to the arrangement and classification of the Mexican antiquities contained in the Poinsett and Keating Collection, and that I hope in a few weeks to have these unique specimens of art so arranged that they can be properly labeled and catalogued.”

Pending nominations, Nos. 985 to 1006, were read.
And the meeting was adjourned.

Stated Meeting, Nov. 2, 1883.

Present, 9 members.

President, Mr. FRALEY, in the Chair.

After reading the minutes it was resolved that the Secretaries be instructed to cancel the concluding part of the rough minutes of the last meeting.

Letters of acknowledgment were received from the Royal Society at London (102, 110 and 111 to complete set), and the Statistical Society, October 15 (112).

A letter of envoy was received from the United States Naval Observatory.

Donations for the Library were received from the Geological and Trigonometrical Survey of India, the Danish Society of